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	Application No.	Applicant(s)
Nation of Allowability	10/674,549	DREWES, JOEL A.
Notice of Allowability	Examiner	Art Unit
	Ngan Ngo	2814
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT THE OFFICE OF THE OFFICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT THE OFFICE OF THE OFFICE O	OR REMAINS) CLOSED in this apport of the communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to		
2. The allowed claim(s) is/are 1-24 and 84-103.		
3. The drawings filed on <u>04 November 2002</u> are accepted by	the Examiner.	
<ul> <li>4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the:  1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have and International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" on the total below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.</li> <li>5. A SUBSTITUTE OATH OR DECLARATION must be submited in INFORMAL PATENT APPLICATION (PTO-152) which give and including changes required by the Notice of Draftsperson (a) including changes required by the Notice of Draftsperson (b) including changes required by the attached Examiner's Paper No./Mail Date</li> <li>(b) including changes required by the attached Examiner's Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the paper No./Mail Date</li> <li>7. DEPOSIT OF and/or INFORMATION about the deposent attached Examiner's comment regarding REQUIREMENT in the paper No./Mail Date</li> </ul>	been received.  been received in Application No cuments have been received in this communication to file a reply ENT of this application.  tted. Note the attached EXAMINER's reason(s) why the oath or declarate t be submitted. on's Patent Drawing Review ( PTO- Amendment / Comment or in the Comment or in the Comment of BIOLOGICAL MATERIAL in Sit of BIOLOGICAL MATERIAL in	national stage application from the complying with the requirements  'S AMENDMENT or NOTICE OF tion is deficient.  948) attached  Office action of the back) of d).  nust be submitted. Note the
<ul> <li>Attachment(s)</li> <li>1. ☑ Notice of References Cited (PTO-892)</li> <li>2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0: Paper No./Mail Date</li> <li>4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ul>	6. ☐ Interview Summary Paper No./Mail Dat 8), 7. ☑ Examiner's Amendr	

## **Examiner's Amendment**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

## In the claims:

Claim 1, line 9, delete "tunnel".

Claim 84, line 15, delete "tunnel".

## Remarks

Claims 1 and 84 has been amended because "said intermediate tunnel junction layer" has no antecedent basis.

Any inquiry concerning this communication should be directed to Examiner Ngan Ngo at telephone number (571) 272-1711. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 10/674,549

Art Unit: 2814

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Page 3

Ngan Van Ngo Primary Examinar

Ngan Ngo

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Application/Control Number: 10/674,549

Art Unit: 2814

Reasons for Allowance

The following is an examiner's statement of reasons for allowance:

The prior arts of record do not disclose a multilayer dielectric tunnel barrier structure comprising a substrate supporting a magnetic layer, a first nitride junction layer over the magnetic layer, an intermediate junction layer over the first nitride junction layer, and a second nitride junction layer over the intermediate junction layer.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Ngan Van Ngo Primary Examiner Page 4